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WQC COMPLIANCE

TIC

Date

4-13-81

ROUTING AND TRANSMITTAL SLIP

TO: (Name, office symbol, room number,
building, Agency/Post)

Initials

Date

1. Karl Zoelner, Jr.

2. Michigan DNR

3. RECEIVED

4. APR 15 1981

5. Water Quality - E & TS

Action	File	Note and Return
Approval	For Clearance	Per Conversation
As Requested	For Correction	Prepare Reply
Circulate	For Your Information	See Me
Comment	Investigate	Signature
Coordination	Justify	

REMARKS

A report of the BASF (North Works) - outfalls 001 + 003 and the Wye St. Storm sewer sampled Sept. 8-9, 1980. This is supportive of the earlier ERM (1979) study which was sent to you. Some analyses of the city of Wyandotte Water Supply plant is included. As additional results are available I will send them to your office.

DO NOT use this form as a RECORD of approvals, concurrences, disposals, clearances, and similar actions

FROM: (Name, org. symbol, Agency/Post)

Room No.—Bldg.

Harry Clement

Phone No.

317-353-2105

5041-102

OPTIONAL FORM 41 (Rev. 7-76)
Prescribed by GSA
FPMR (41 CFR) 101-11.206

★ U.S.G.P.O.: 1979-281-184/19

WYE Street, in the past, included BASF Wyandotte South Works, Pennwalt Corp., Wyandotte Cement and surface drainage. As noted in my 9/24/80 memo, BASF had terminated operation at the South Works.

3-19-81 CC: Zar

Grimes/Leininger
Fenner/Miner/Muno
Mutman
Manzardo/Dylikowski/Newman/Clements
Pratt
Saulys/Rea

4-13-81 CC: Zoelner (DNR)

cc: Roy Schranek
William Kelley, Water Supply Div., M
Eugene Saffold, OTHC
Paul Zuger
cc: FASBaldwin/WAD file

Also attached is a field notes memo detailing the sampling efforts.

As indicated in my telcons to Messrs. Leininger and Mutnan, Mr. Dale Roush of BASF recently requested the results of the survey. He was advised to contact Chief, Water and Pesticides Enforcement Branch. He declined to provide me with BASF's results of the split samples which include the WYE Street sample. I recommend that BASF's split sample results (and methodology) be obtained to see if any additional parameters or different levels are apparent.

During the survey, the Water Treatment Plant staff informally requested the results of the samples collected at their facility. I have had no further contact. I recommend that the results of the water treatment plant samples be made available to Chief, Water Supply Branch, 5WWS, in view of the organics found.

Additional laboratory results will be forwarded on availability.

Contact me if you have questions.

USEPA LABORATORY RESULTS
BASF WYANDOTTE CORP. STUDY
September 8-9, 1980

Parameter/Date	Summary of Organic Results $\mu\text{g/l}$			Detroit River 9/8-9/80
	<i>outfall</i> 001 9/8-9/80	003 9/8-9/80	<i>Storm Sewer</i> WYE 9/9/80	
<u>Volatiles</u>				
Methylene Chloride	71,100,100	-	-	53-190(5)
Chloroform	2	50	21	31,33,21(F)
Dichlorobromomethane	-	-	-	6.8, 5.6, 5.0 (F)
Trichlorofluoromethane	20,16	-	-	-
1,2-Dichloroethene	2.4,2.9	-	-	2.38(R)
1,2-Dichloropropane	-	200,80,550	-	-
Trichloroethane	-	-	-	92(R)
Dibromochloromethane	-	-	-	3.1,2.8,2.8(F)
Dichloroethane	-	-	-	-
Ether	-	-	-	7.1(R)
Cyclohexane	43	-	-	-
Methycyclopentane	60	-	-	-
Acetone	-	-	-	5.0(F)
<u>Pesticides</u>				
PCB-1254	-	-	-	.6(R),1.1(F)
<u>Nonvolatiles</u>				
Bis(2-Chloroethyl)Ether	-	-	73.8	-
Dichloropropene (Isomer)	-	-	23.9	-
Unknown (#58)	-	-	1.5	-
Bis (2-Chloroisopropyl)Ether	-	-	239.4	-

Remarks: () Volatiles based on grabs - 3 samples for 001, 003; 1 sample WYE; 9 samples Detroit River - 6 samples RAW and 3 FIN (Wyandotte Water Supply). All other parameters were single sample (composite or grab)

(R)= RAW; (F)= FIN; (5) total # of samples in range

ERG LABORATORY RESULTS
BASF WYANDOTTE CORP. STUDY
1979 STUDY

<u>Compound *</u>	<u>Concentration (ppb)</u>
<u>001N</u>	
Propanenitrile, 2 Methyl	11.2
Propanoic Acid-2 Hydroxy-2Methyl Methyl Ester	8.7
1-Propanol, 3,3'-/1,3-Propanedicyclobis (OXY)/Bis (411)	16.0
1-Propanol, 3,3'-/1,3-Propanedicyclobis (OXY)/Bis (502)	19.0
2-Methyl Hexanol	16.0
2-Propanol, 1-/2-(2-Methoxy-1-Methyl-Ethoxy)-1-Methylethoxy/	11.8
Aromatic Chlorinated Hydrocarbon (M.W. 298)	76
<u>003N</u>	
Bis (2-Chloroisopropyl) Ether	17700
Tridecatene Nitrile, 4, 8, 12-Trimethyl	22.0
<u>003N (Field Duplicate)</u>	
Propane, 2,2, - Oxybis/1-Chloro	4550
<u>WYE</u>	
1,1-Oxybis-3-Chloropropane	2620
1-3 Dichloro 1-Propene	21

- * Listing does not include Phthalate esters found.
Phthalates were found in blanks.
Phthalates were also found in the Detroit River samples.